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LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

ANNUAL REPORT

MEDICAL OFFICER OF HEALTH

1961

Rebow Chambers,
Sir Isaac's Walk,
Colchester.

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Rebow Chambers,
Sir Isaac's Walk,
Colchester

Tel. Colchester 72823

3rd September, 1962

To the Chairman and Members of the
Lexden and Winstree Rural District Council

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my report for 1961.

I have to thank the members of the Council and the Council's staff for their assistance throughout the year.

I have the honour to be

Your obedient Servant,

E. A. HARGREAVES

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LEXDEN & WINSTREE RURAL DISTRICT COUNCIL

1961 - 1962

Chairman of the Council:

Maj.Gen. F. W. BURCH, C.S.I.,C.I.E.,M.C.,D.L.,J.P.

Vice-Chairman of the Council

Mrs. C. M. COCK

Clerk to the Council

D. S. MITCHELL, M.A. (Oxon)

PUBLIC HEALTH COMMITTEE

Chairman: Mrs. C. M. Cock

Vice-Chairman: Lt.Col. J. G. Round, D.L.,J.P.

Mrs. F. M. Browning
Mr. L. A. Ellerton
Mrs. G. W. R. Lucking
Mrs. B. Marsh
Mr. H. C. Percival
Mr. E. G. Pewter
Mr. R. J. Thomas
Mr. G. W. Ward
Mr. C. F. Willis
Mr. T. O. Woodard

PUBLIC HEALTH DEPARTMENT STAFF

as at 31st December, 1961

Medical Officer of Health

E. A. HARGREAVES, M.R.C.S.,L.R.C.P.,D.P.H.

also Medical Officer of Health to the Wivenhoe U.D.C., West Mersea U.D.C. and Assistant County and School Medical Officer, Essex County Council.

Chief Public Health Inspector, Engineer and Surveyor

G. A. GRAVES, M.I. Mun.E.,M.R.S.H.

Additional Public Health Inspector and Surveyor

H. S. CARTWRIGHT, M.A.P.H.I., Cert R.San.I

R. G. MORLEY , M.A.P.H.I., Cert.R.S.H.

Clerk

O. S. DALTON

Council Offices,
Rebow Chambers,
Sir Isaac's Walk,
Colchester

Tel: Colchester 72823

LEXDEN & WINSTREE RURAL DISTRICT COUNCIL

STATISTICS AND SOCIAL CIRCUMSTANCES OF THE AREA

GENERAL STATISTICS

Area of the District (acres)	66,584
Number of parishes	32
Estimated population	22,710
Rateable Value 31.3.62	£226,524
Sum represented by a penny rate 1961/62	£910
Number of houses in the District	7,406
Number of houses owned by the Council	1,462

SOCIAL CONDITIONS

The district occupies an area partially surrounding the Borough of Colchester; its northern boundary is the River Stour, which separates it from Suffolk. South-east of Colchester its eastern boundary is the River Colne and the Blackwater Estuary.

While the district is mainly rural, development is taking place rapidly in the ring of villages surrounding Colchester and these serve increasingly as dormitory areas for persons employed in the town.

Most of the area is occupied by agricultural holdings and a quarter of the employed population find their livelihood in agriculture and allied trades.

The remaining three-quarters serve a wide range of different occupations, rather more than a third being employed outside the district, mainly in Colchester.

EXTRACTS FROM VITAL STATISTICS

LIVE BIRTHS

Births	Male	Female	Total
Legitimate	173	142	315
Illegitimate	13	9	22
Total No. of live births	186	151	337

Live birth rate per 1,000 estimated resident population 14.8
Comparability factor for the district 1.15
Live birth rate per 1,000 population (corrected) 17.0
Live birth rate per 1,000 for England and Wales 17.4
Illegitimate live births (as % of total live births) 7.2%

STILL BIRTHS

Births	Male	Female	Total
Legitimate	1	3	4
Illegitimate	0	0	0
Total No. of still births	1	3	4

Still birth rate per 1,000 total (live and still) births 11.4
Still birth rate as above for England and Wales 18.7

TOTAL NUMBER OF BIRTHS 341

INFANT MORTALITY

Deaths of infants under 1 year of age

Deaths	Male	Female	Total
Legitimate Illegitimate	6 -	3 -	10 -
Total number of deaths	6	3	10

	M	F	Total
Deaths of infants under 4 weeks of age	4	1	5
Deaths of infants under 1 week of age	4	1	5

Infant mortality rate per 1,000 live births	29.7
Legitimate infant deaths per 1,000 legitimate live births	31.4
Illegitimate infant deaths per 1,000 illegitimate live births	0
Infant mortality rate England and Wales	21.4
Neonatal mortality rate per 1,000 live births (Legitimate	15.7
Neonatal mortality rate per 1,000 live births (Illegitimate	0
Neonatal mortality rate per 1,000 live births (All	14.8
Early neonatal mortality rate (1st week) per 1,000 related births (Legitimate	15.7
Early neonatal mortality rate (1st week) per 1,000 related births (Illegitimate	0
Early neonatal mortality rate (1st week) per 1,000 related births (All	14.8
Perinatal mortality rate (stillbirths plus deaths during 1st week) per 1,000 total live and still births.	29.3
Maternal deaths	0
Maternal mortality rate	0

	M	F	Total
Deaths	169	169	338

Death rate per 1,000 estimated resident population	14.9
Comparability figure	.71
Corrected death rate	10.58
England and Wales	12.0

Deaths in the various age groups (local statistics)

Age	Number of Deaths
0 - 1 year	8
1 - 2 years	-
2 - 5 "	-
5 - 15 "	4
15 - 25 "	1
25 - 35 "	5
35 - 45 "	5
45 - 55 "	14
55 - 65 "	34
65 - 75 "	71
75 and over	196
	338

CAUSES OF DEATH

	M	F	Total
Respiratory tuberculosis		1	1
Whooping cough		1	1
Other infective and parasitic diseases	1	0	1
Malignant neoplasm - Stomach	3	1	4
Lung and bronchus	9	2	11
Breast	0	4	4
Uterus	0	1	1
Other malignant and lymphatic neoplasms	19	15	34
Leukaemia and aleukaemia	1	0	1
Diabetes	2	1	3
Vascular lesions of nervous system	18	32	50
Coronary disease, angina	25	20	45
Hypertension with heart disease	1	1	2
Other heart disease	17	21	38
Other circulatory disease	6	15	21
Influenza	0	5	5
Pneumonia	8	3	11
Bronchitis	16	5	21
Ulcer of stomach and duodenum	3	4	7
Nephritis and nephrosis	4	0	4
Hyperplasia of prostate	3	0	3
Other defined and ill-defined diseases	26	33	59
Motor vehicle accidents	2	2	4
All other accidents	4	1	5
Suicide	1	1	2
	169	169	338

NOTIFIABLE DISEASE

Table of Notifiable Disease

	0-1 yr	1-5 yrs	5-15 yrs	15-25 yrs	25-45 yrs	45-65 yrs	over 65 yrs	Total
Measles	4	90	133	2	2			231
Whooping cough		5	3					8
Scarlet fever		3	7					10
Pneumonia		1	1		3	4	5	14
Erysipelas						2	1	3
Food poisoning			1					1
								267

Notification of Tuberculosis

Four notifications of tuberculosis were received all in males, 3 cases of pulmonary disease aged 16, 22 and 40 respectively, one case of tubercular glands aged 5

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

LABORATORY FACILITIES

There has been no change in the facilities described in the last report.

The Laboratories available are situated at:-

The Essex County Hospital
The Public Health Laboratory, Woodbridge Road, Ipswich
The Counties Laboratory
Thresh House,
Verulam Street,
Grays Inn Road, W.C.1

AMBULANCE

Non-emergency ambulance calls are not accepted from the general public.

To obtain an ambulance in an emergency, it is merely necessary to lift the telephone receiver and ask for an ambulance. If there is a dialling system in operation, dial 999, '0' of '01' and ask for an ambulance.

HEALTH SERVICES PROVIDED BY THE ESSEX COUNTY COUNCIL

Ante-natal and post-natal clinics
Midwives
Nursing in the home
Health visiting
Mental welfare
Home Helps
Vaccination and Immunisation against Diphtheria, Whooping Cough, Poliomyelitis and Tuberculosis.
Provision of nursing equipment and apparatus
School Health Service

Ante-natal and post-natal clinics are held at the Health Services Clinic, Culver Street, Colchester, at 2.30 p.m. on Tuesdays and Thursdays.

Infant Welfare Clinics are held in the following villages:-

TIPTREE:- Friday at the Bianca Hall at 2 p.m.
LAYER-de-la-HAYE:- Second Thursday at the Women's Institute at 2 p.m.
ROWHEDGE:- First and third Thursdays at the Pavilion, Rectory Road at 2 p.m.
ABBERTON:- Second Tuesday at the Village Hall at 2 p.m.
STANWAY:- First and third Tuesdays at St.Albright's Hall at 2 p.m.
DEDHAM:- Second and fourth Thursdays at the Hewitt Hall at 2 p.m.
GREAT HORKESLEY:- First Wednesday at the Men's Social Club at 2 p.m.
BOXTED:- Last Wednesday at the Methodist Church Hall at 2 p.m.
FORDHAM:- Second Friday at the Village Hall at 2 p.m.
MARKS TEY:- Third Wednesday at the Labour Hall at 2 p.m.
GREAT TEY:- Third Tuesday at the Village Hall at 2 p.m.

Assistance from the Home Help Service is obtained by communicating with the Area Organiser, Area Office, Trinity Street, Colchester. Telephone Colchester 6251 extension 3.

HEALTH SERVICES PROVIDED BY THE REGIONAL HOSPITAL BOARD

Tuberculosis

The Chest Clinic is situated at St.Mary's Hospital, Popes Lane, Colchester and is open daily.

V.D.

Sessions held at the Essex County Hospital on Mondays 5 p.m. to 7 p.m. for males and females. Friday 2 p.m. to 4 p.m. for males and females.

NATIONAL ASSISTANCE (AMENDMENT) ACT

It was not necessary to arrange the compulsory removal of any persons to hospital under the above Act.

PUBLIC HEALTH INSPECTOR'S REPORT

The Chairman and Members of the Lexden and Winstree R.D.C.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my report of work carried out during the year ending 31st December, 1961.

INSPECTIONS

Premises visited - Public Health Acts	784		
Housing Act, 1936	462		1246
Work in progress and property under notice (visits thereto)			
Public Health Acts	366		
Housing Act, 1936	704		1070
Slaughterhouse inspections			108
Shops and food premises inspected			366
Ice cream stores inspected			24
Dairies inspected			9
Bakehouse inspections			8
Factories and workshops			119
Appointments and interviews with property owners			238
Number of complaints received			14
Water samples taken for analysis			61
Rat infestation (premises inspected)			813
Moveable dwellings			204
Refuse collection			85
Petroleum installations inspected			77

RESULTS OF ABOVE INSPECTIONS AND ACTION TAKEN

Informal notices served		54
Statutory notices served - Public Health Act, 1936	Nil	
Housing Act, 1936	Nil	Nil
Statutory notices complied with - Public Health Act	Nil	
Housing Act	Nil	Nil
No. of representations made with view to making Demolition Orders		34
No. of Demolition Orders made under Sec.11 Housing Act,1936		6
Clearance Order confirmed (No. of properties)		Nil
No. of houses demolished by owners following Demolition Orders or Written Undertakings		23
No. of houses demolished by owners following Clearance Orders		Nil
No. of houses demolished by owners voluntarily		5
Demolition Orders determined and Closing Orders made under Sec.3(2)(c) Housing Act, 1949		Nil
Unfit houses closed		
1. Under sections 16(4),17(1) and 35(1) H.A.1957		
2. Under sections 17(3) and 26 H.A. 1957		34
No. of houses in respect of which undertakings not to use for human habitation have been cancelled		4
No. of houses erected (permanent)		127
No. of houses erected (temporary)		Nil
Closing Orders determined (Housing Act, 1949)		Nil
No. of Council Houses completed - Houses	46	
Flats	8	54

PROGRESS IN SLUM CLEARANCE DURING 1960

	Total No. of Houses	Total No. of listed Cat. 5 properties 1961	Properties down-graded to Cat 5 in 1961	Houses demolished in 1961	Houses subject to demolition Orders or Closing Orders 31.12.61	Houses Subject to undertakings 31.12.61	Houses made fit	Listed Cat. 5 houses still to be dealt with
Abberton	64	1	1	Nil	Nil	Nil	Nil	1
Aldham	108	2	Nil	Nil	Nil	2	Nil	Nil
Bergholt, West	468	18	Nil	3	3	7	2	8
Birch	226	11	Nil	3	4	3	Nil	4
Boxted	386	7	Nil	Nil	3	1	Nil	3
Chappel	127	4	Nil	Nil	3	1	Nil	Nil
Colne, Wakes	120	5	Nil	Nil	Nil	Nil	Nil	5
Copford	254	4	Nil	5	Nil	Nil	1	4
Dedham	573	25	1	3	11	6	Nil	8
Donyland, East	503	19	2	Nil	9	4	Nil	6
Eight Ash Gn	275	7	Nil	Nil	2	3	Nil	2
Fingringhoe	204	13	Nil	Nil	4	2	2	7
Fordham	124	Nil	Nil	1	Nil	Nil	Nil	Nil
Horkesley Gt.	340	13	Nil	1	4	1	Nil	8
Horkesley Lt.	53	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Langenhoe	68	3	Nil	Nil	Nil	Nil	Nil	3
Langham	258	10	1	Nil	2	2	Nil	6
Layer Breton	69	8	1	Nil	5	2	Nil	1
Layer-de-la-Haye	283	11	1	Nil	1	3	Nil	7
Layer Marney	66	2	Nil	Nil	Nil	2	Nil	Nil
Mersea, East	81	1	Nil	Nil	Nil	Nil	Nil	1
Messing-cum-Inworth	102	9	Nil	1	6	2	Nil	1
Mt. Bures	52	2	Nil	Nil	2	Nil	Nil	Nil
Peldon	133	12	Nil	2	5	Nil	Nil	7
Salcot	61	2	Nil	Nil	Nil	Nil	Nil	2
Stanway	718	7	Nil	2	1	2	2	4
Tey, Gt.	158	6	Nil	1	2	3	Nil	1
Tey, Marks	333	14	Nil	Nil	3	5	Nil	6
Tiptree	1017	10	Nil	5	3	Nil	Nil	7
Virley	13	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Wigborough Gt. and Lt.	66	6	Nil	Nil	3	1	Nil	2
Wormingford	103	8	-	1	4	2	Nil	2
	7406	240	7	28	80	54	7	106

HOUSING

The table on page 11 gives details of unfit houses in individual parishes. Steady progress was maintained in dealing with the Slum Clearance programme. 34 houses were dealt with following representation under the Housing Act, 1957. 34 unfit houses were vacated during the year. The number of families rehoused from unfit houses into Council Houses was 20, mainly in new houses erected at Rowhedge. This was a marked decrease on the previous year. At the end of the year 86 unfit houses remained occupied - a decrease of 26 on the previous year. 28 unfit houses were demolished and 7 were made fit.

There are 80 houses subject to Demolition Orders or Closing Orders which have not yet been demolished. Some of these properties are rapidly deteriorating and a few have become thoroughly dilapidated. It may therefore be necessary for the Council to demolish some of these properties and recover the cost from the respective owners.

181 new dwellings were completed in the district during the year.

There was continued interest in the improvement of existing properties with the aid of improvement grants and 59 properties were modernised with grant aid during the year.

DETAILS OF HOUSES AND CIVILIAN POPULATION SUPPLIED WITH MAINS WATER

	Est Civilian Popn	No. of Houses	Direct to House			From standpipes		
			No. of Houses	Est. Popn	% Popn	No. of Houses	Est. Popn	% Popn
Abberton	194	64	59	178	91.5	4	13	6.7
Aldham	343	108	100	318	92.8	4	13	3.8
Bergholt West	1351	468	387	1120	82.6	45	130	9.6
Birch	638	226	210	593	93.0	14	39	6.1
Boxted	1130	386	338	990	87.5	7	21	1.9
Chappel	363	127	106	303	83.5	16	46	12.7
Colne, Wakes	471	120	78	306	65.0	25	98	20.8
Copford	806	254	238	755	93.5	9	28	3.5
Dedham	1735	573	495	1498	86.3	40	121	7.0
Donyland, East	1412	503	492	1381	97.7	10	28	1.98
Eight Ash Gn.	835	275	236	717	86.0	30	91	10.9
Fingringhoe	605	204	190	564	93.3	10	30	5.0
Fordham	387	124	96	301	77.5	11	35	9.2
Horkesley, Gt.	1059	340	293	913	86.0	21	65	6.1
Horkesley, Lt.	276	53	43	223	80.7	2	10	3.6
Langenhoe	213	68	66	207	97.2	2	6	2.8
Langham	777	258	205	618	79.5	1	3	0.4
Layer Breton	215	69	60	187	87.0	8	25	11.6
Layer-de-la-Haye	887	283	250	783	89.0	23	72	8.2
Layer Marney	195	66	65	192	98.5	1	3	1.0
Mersea, East	260	81	65	209	80.7	3	10	3.9
Messing-cum-Inworth	324	102	100	318	98.5	2	6	1.5
Mount Bures	161	52	46	143	89.0	-	-	-
Peldon	404	133	123	374	92.5	9	27	7.1
Salcot	179	61	48	141	79.0	12	35	19.5
Stanway	2353	718	682	2238	95.0	29	93	4.0
Tey, Gt.	475	158	141	425	89.2	14	41	8.8
Tey, Marks	997	333	280	840	86.0	40	120	12.3
Tiptree	3011	1017	976	2887	99.5	20	56	1.9
Virley	38	13	12	35	92.1	1	3	7.9
Wigborough, Gt. and Lt.	221	66	55	184	83.3	8	27	12.2
Wormingford	325	103	84	265	81.5	11	34	10.7
	22,642	7406	6619	20206	89.3	432	1329	5.9

SANITARY CIRCUMSTANCES OF THE AREA

WATER

On April 1st the Colchester and District Water Board became responsible for the supply of water throughout the district except for the parish of Dedham which continues to be supplied by the Tendring Hundred Waterworks Co.Ltd.

The Water Board continues to operate four sources of supply sited within the district at Mount Bures, Tiptree, Abberton and East Donyland.

The supply of water has been satisfactory throughout the year. The quality of the water is satisfactory although the supplies from the Abberton and East Donyland boreholes contain a high content of fluoride. Whilst a fluoride content of one part per million is held to be beneficial in preventing dental caries the water from the Abberton borehole which is known to contain 4.7 parts per million fluoride is liable to cause mottling of the enamel of teeth. For this reason it is still hoped that some method may be devised for diluting this water to bring the fluoride content to an acceptable level.

Mains water supply is available in all parishes in the district and ninety-five per cent of the population are supplied with mains water. However, this still leaves a fair number who obtain their water supply from wells, some of which are known to be polluted. The cost of extending mains supply to isolated cottages is heavy, and the Council consider each application for extension of mains supply as they are required to guarantee a fixed income to the Water Board on the capital expense incurred.

ABBERTON AND DISTRICT WATER SUPPLY

The normal supply is chlorinated and bacteriologically is very good; chemically it contains a high proportion of salt and 4.8 parts per million of fluoride.

The number of samples taken for examination was:-

No.1 bore Chemical and Bacteriological	1
No.1 bore Bacteriological	2
No.2 bore Chemical and Bacteriolgical	1
No.2 bore Bacteriological	6

A typical analysis of the water is appended.

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Turbidity	Nil
Colour	Nil	Odour	Nil
pH	7.9	Free carbon dioxide	7
Electric Conductivity	2900	Alkalinity as Calcium carbonate	350
Chlorine present as Chloride	720		
Hardness	Total 110 Carbonate 110	Non-carbonate 0	
Nitrate nitrogen	0.6	Nitrite nitrogen	app 0.0L
Ammoniacal nitrogen	0.39	Oxygen absorbed	0.65
Albuminoid nitrogen	0.000	Residual chlorine	0.10
Metals	Iron, zinc, copper and lead - absent	Fluoride (F)	4.8
		Dissolved solids	1820

BACTERIOLOGICAL RESULTS

	1 day at 37° C	2 days at 37°C	3 days at 20-22°C
No. of colonies developing on Agar	- per ml	- per ml	- per ml
	Present in	Absent from	Probable No.
Presumptive coliform reaction	- ml	- ml	- per 100 ml
Bact. coli (Type 1)	- ml	- ml	- per 100 ml
Cl.welchii reaction	- ml	- ml	

This sample is clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals. The hardness of the water is very moderate; the high content of mineral and saline constituents is typical of this source. The water conforms to the highest standard of organic quality.

These results indicate a water which, from the aspect of the chemical analysis, is wholesome in character. Its high content of saline constituents is likely to be noticeable to some consumers, particularly if they are not accustomed to this supply. Its content of fluorine is considerably higher than is considered desirable from the aspect of causing mottled enamel.

TIPTREE WATER SUPPLY

This is a chlorinated supply. The quality of the water is satisfactory. It contains 0.7 parts per million of fluoride.

The number of samples taken for examination was:-

No.1 bore	Chemical and bacteriological	-
No.2 bore	Chemical and bacteriological	1
No.2 bore	Bateriolological	5

A typical analysis is appended

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Bright with few particles	Turbidity	less than 3
Colour	Nil	Odour	Nil
pH	7.3	Free carbon dioxide	28
Electric conductivity	925	Dissolved solids	615
Chlorine present as chloride	124	Alkalinity as Calcium carbonate	290
Hardness Total	235	Carbonate 235	Non-carbonate 0
Nitrate nitrogen	0.3	Nitrite nitrogen	absent
Ammoniacal nitrogen	0.000	Oxygen absorbed	0.15
Albuminoid nitrogen	0.000	Residual chlorine	absent
Metals	Iron 0.08		
	Zinc, copper and lead: absent	Fluoride: 0.7	

BACTERIOLOGICAL RESULTS

	1 day at 37°C	2 days at 37°C	3 days at 20-22°C
No. of colonies developing on Agar	- per ml	- per ml	- per ml
	Present in	Absent from	Probable No.
Presumptive coliform reaction	- ml	- ml	- per 100 ml
Bact.coli (Type 1)	- ml	- ml	- per 100 ml
Cl.welchii reaction	- ml	- ml	

This sample is practically clear and bright in appearance, neutral in reaction and free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents are not considered excessive. It conforms to the highest standard of organic quality.

These results indicate a water which, from the aspect of the chemical analysis, is pure and wholesome in character and suitable for drinking and domestic purposes.

COLNE AND STOUR VALLEY WATER SUPPLY

This supply is chlorinated and softened.

The quantity and quality of this supply is satisfactory. It contains 0.3 parts of fluorine per million.

The number of samples taken for examination was:-

Chemical and bacteriological	1
Bacteriological	6

A typical analysis is appended.

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Bright with few particles	Turbidity	less than 3
Colour	17	Odour	Nil
pH	7.9	Free carbon dioxide	6
Electric conductivity	725	Dissolved solids	515
Chlorine present as Chloride	46	Alkalinity as Calcium Carbonate	260
Hardness Total	355	Carbonate 260	Non-carbonate 95
Nitrate nitrogen	2.7	Nitrite nitrogen	less than 0.01
Ammoniacal nitrogen	0.036	Oxygen absorbed	1.5
Albuminoid nitrogen	0.046	Residual chlorine	absent
Metals	Iron, zinc, copper and lead: absent	Fluorine	0.3

BACTERIOLOGICAL RESULTS

	1 day at 37°C	2 days at 37°C	3 days at 20-22°C
No. of colonies developing on Agar	- per ml	- per ml	- per ml
	Present in	Absent from	Probable No.
Presumptive coliform reaction	- ml	- ml	- per 100 ml
Bact.coli (Type 1)	- ml	- ml	- per 100 ml
Cl.welchii reaction	- ml	- ml	

This sample is practically clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals. The water is very hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. Its organic quality is very satisfactory.

These results indicate a water which, from the aspect of the chemical analysis, is pure and wholesome in character and suitable for drinking and domestic purposes.

EAST DONYLAND WATER SUPPLY

This is a chlorinated supply limited to the built-up area of the parish known as Rowhedge.

Normally the supply is satisfactory in quantity and quality. It contains 3 parts of fluoride per million.

The number of samples taken for examination was:-

Chemical and bacteriological	2
Bacteriological	4

A typical analysis is appended.

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Turbidity	Nil
Colour	Nil	Odour	Nil
pH	7.7	Free carbon dioxide	13
Electric conductivity	2000	Dissolved solids	1330
Chlorine present as Chloride	480	Alkalinity as Calcium Carbonate	340
Hardness Total	150 Carbonate 150	Non carbonate	0
Nitrate nitrogen	0.0	Nitrite nitrogen	approx. 0.01
Ammoniacal nitrogen	0.59	Oxygen absorbed	0.25
Albuminoid nitrogen	0.000	Residual chlorine	absent
Metals	Iron: 0.10 Zinc, copper and lead, absent	Fluoride	3.1

BACTERIOLOGICAL RESULTS

	1 day at 37°C	2 days at 37°C	3 days at 20-22°C
No. of colonies developing on Agar	- per ml	- per ml	- per ml
	Present in	Absent from	Probable No.
Presumptive coliform reaction	- ml	- ml	- per 100 ml
Bact.coli (Type I)	- ml	- ml	- per 100 ml
Cl.welchii reaction	- ml	- ml	- per 100 ml

This sample is clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals apart from a minute trace of iron. The hardness of the water is very moderate and its somewhat high content of mineral and saline constituents is not considered excessive. It conforms to the highest standard of organic quality.

These results indicate a water which, from the aspect of the chemical analysis, is pure and wholesome in character and suitable for drinking and domestic purposes.

SEWERAGE

The villages of Tiptree, Stanway, Dedham, West Bergholt, Rowhedge and Eight Ash Green are provided with sewers. Sewage Disposal Works are provided at Tiptree, Dedham, West Bergholt and Eight Ash Green. The sewage from Stanway and Rowhedge is discharged into the Colchester Corporation sewerage system.

In general much of the subsoil in this area is dense clay which makes subsoil drainage impossible. This gives rise to considerable nuisance from pollution in ditches and streams from overflowing cesspools and sink waste water. In addition new housing development is proceeding apace.

Considerable progress was made during the year in the provision of sewers. Work proceeded on the Copford, Marks Tey and Stanway (West) scheme; the second stage of the Eight Ash Green Aldham scheme was nearing completion. Schemes were prepared for the provision of sewers at Gt.Tey, Fordham, Stanway Green and Aldham Church area. Work is about to commence on these schemes.

Schemes for the provision of sewers at Great Horkesley and Chappel and Wakes Colne were submitted for the approval of the Ministry of Housing and Local Government.

Work is in hand on the preparation of schemes for the parishes of Fingringhoe, Abberton, Langenhoe and Peldon.

FOOD-PREMISES

The majority of food premises are owner occupied and the owner is directly responsible for the running of the premises. During the year routine inspection was made of food premises and 182 premises were inspected. The standards of construction and hygiene were found to be satisfactory in most cases. Informal action was taken to remedy defects found.

SLAUGHTERHOUSE ACT, 1958

At the end of the year two private slaughterhouses which serve individual butchers were in use. One had been extensively improved to comply with the slaughterhouse construction regulations and plans were submitted for the improvement of the other.

MEAT AND OTHER FOODS

Food shops, bakeries and other places where food is prepared have been inspected at regular intervals.

CARCASES AND OFFAL INSPECTED AND CONDEMNED IN WHOLE OR IN PART DURING 1961

	Cattle exluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	208	-	-	174	252	-
Number inspected	208	-	-	174	252	-
All disease except Tuberculosis and cysterceri						
Whole carcases comdemned	-	-	-	-	-	-
Carcases of which some part or organ was condemned	22	-	-	3	15	-
Percentage of the number inspected affected with disease other than tuberculosis and cysterceri	10.5	-	-	1.7	5.9	-
Tuberculosis only						
Whole carcases condemned	-	-	-	-	-	-
Carcases of which some part or organ was condemned	-	-	-	-	4	-
Percentage of the No. inspected affected with tuberculosis	-	-	-	-	1.6	-
Cysticercosis						
Carcases of which some part or organ was condemned	-	-	-	-	-	-
Carcases submitted to treatment by refrigeration	-	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-	-

FACTORIES ACT, 1937

Inspections have been made at the various factories and defects observed have been remedied. The following table gives details of the work done.

Inspections for Purposes of Provisions as to Health (including inspections made by Public Health Inspectors)

PREMISES	No. On Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which sections 1,2,3,4 and 6 are to be enforced by the Local Authority	23	22	Nil	Nil
(ii) Factories not included in (i) in which section 7 is enforced by the local authority	85	74	1	Nil
(iii) Other premises in which section 7 is enforced by the local authority (excluding outworkers' premises)	17	23	Nil	Nil
TOTAL	125	119	1	Nil

Cases in which defects were found

Particulars	No. of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Remedied	Referred To H.M. Inspector	By HM Inspector	
Want of cleanliness	2	2	Nil	Nil	Nil
Overcrowding	Nil	Nil	Nil	Nil	Nil
Unreasonable temperature	Nil	Nil	Nil	Nil	Nil
Inadequate ventilation	Nil	Nil	Nil	Nil	Nil

contd. overleaf

Cases in which defects were found (contd)

Particulars	No. of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspec.	
Ineffective drainage of floors	Nil	Nil	Nil	Nil	Nil
Sanitary conveniences					
(a) Insufficient	Nil	Nil	Nil	Nil	Nil
(b) Unsuitable or defective	3	3	Nil	2	Nil
(c) not separate for sexes	1	1	Nil	Nil	Nil
Other offences against the Act (not including offences relating to outwork	Nil	Nil	Nil	Nil	Nil
TOTAL	4	4	Nil	2	Nil

OUTWORK

Nature of work	Section 110			Section 111		
	No. of out-workers in Aug. list	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices served	Prosecutions
Wearing apparel Making etc.	22	Nil	Nil	Nil	Nil	Nil
Furniture & upholstery	1	-	-	-	-	-
TOTAL	23	Nil	Nil	Nil	Nil	Nil